

APPENDIX A
T Plant Complex Part A Revision History

The following is the T Plant Complex Part A, revision history.

Revision 0, was submitted November 25, 1987 as the T Plant Treatment Tank.

Revision 1, submitted June 30, 1993, addressed the addition of waste storage and treatment capacity for tanks and containers and containment of waste piles on the canyon deck and in cells as part of the expanded waste management mission, and to change the name from 'T Plant Treatment Tank' to 'T Plant Complex.' A Notice of Intent (NOI) was sent to the Washington State Department of Ecology (Ecology) on December 14, 1992, informing Ecology of the intent to permit T Plant Complex as a storage and treatment unit for decontamination activities. An Addendum to the NOI was sent to Ecology on April 6, 1993, addressing the need for the addition of container storage and treatment capability. Revision 1 added: (1) 36 new dangerous waste numbers for previously unidentified waste with the potential of being stored and/or treated in the tank systems or treated during decontamination activities, (2) 373 new dangerous waste numbers for previously unidentified waste with the potential of being stored and/or treated in various sized containers, and (3) 37 new dangerous waste numbers for previously unidentified waste with the potential for containment building storage.

Revision 2, submitted August 30, 1993, addressed the addition of language in Section III "Processes" that included various support structures and/or storage pads and site boundaries for container storage within the T Plant Complex. A drawing was added to show the site boundary of T Plant Complex indicating the location of container storage areas. A review of Washington Administrative Code (WAC) 173-303 showed that U241 never had been included with the WAC-173-303-9903 "Discarded Chemical Products List", therefore, U241 was deleted.

Revision 3, submitted November 4, 1994, added dangerous waste number F039 (multi-source leachate) as waste derived from nonspecific source waste F001 through F005 to correspond with dangerous waste numbers from the Double-Shell Tank (DST) System, deleted dangerous waste number WC02 (state-only carcinogenic), and added discarded chemical products dangerous waste numbers P057, P116, P118 through P123, U248, U249, U328, U353, and U359.

Revision 4, submitted May 25, 1995, addressed the liquid mixed waste storage capacities of the 2706-T railroad sump, 211-T sump, and 221-T Building tank 6-1. These sumps and tank are used for storage of liquid mixed waste generated during decontamination operations. 32 new dangerous waste numbers were added for previously unidentified waste with the potential of being stored and/or treated in containers at T Plant Complex.

Revision 5, submitted December 19, 1995, more accurately described where waste is transferred after treatment and/or storage and increased the estimated annual quantity of waste from 4,536 kilograms to 4,535,924 kilograms because of a typographical error in Revision 4.

Revision 6, submitted on September 30, 1996, indicated the Project Hanford Management Contract with Fluor Daniel Hanford, Inc., as the integrating contractor.

Revision 7, submitted on December 23, 1998, increased the process design capacities for tank treatment, container storage and treatment, and other (miscellaneous) treatment. A NOI for interim status expansion was submitted for public review on October 14, 1997. This revision removed three dangerous waste numbers, added 61 dangerous waste numbers that have been added to the federal and state regulations, increased the estimated annual quantities of waste, updated site drawings, and deleted and added new photographs. This revision removed discussion in Section III.C. for process codes S01, "storage-container," S02 "tank storage," and T01 "tank treatment," and all discussion in Section IV.E. because discussions of these process codes are not required by the Part A, Form 3, instructions.

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Revision 8, submitted February 2001, was revised to add 372 new dangerous waste numbers to S06 'containment building,' deleted 27 dangerous waste numbers from S01/T04 in accordance with Federal Registers (FR) 50 FR 51125 and 62 FR 32977. An administrative error on Revision 7 was corrected; the word "through" was missing between dangerous waste numbers D001 and D011 for S06. Site drawings were updated, deleted old photographs, and added new photographs. In addition, Section III.C., 'Processes' was revised to add in descriptions for 'S01' containers storage, 'S02' tank storage, and 'T01' tank treatment.

Revision 9, submitted September 2002, added Section III.C discussion of new process code X99 "miscellaneous unit storage/treatment" to permit operations in 2706-T and 2706-TA under miscellaneous unit provisions in lieu of containment building provisions. This, in turn, required decreasing Section III.B, S06 "containment building" design capacity. Section III.C, S06, discussion was revised to identify portions of the 221-T Building certified for containment building operations. Section III.C discussion of process code S02 "tank storage" was revised to reflect removal of the 221-T Tank System from service. This revision added all 'U,' 'P,' and additional 'F' dangerous waste numbers to tank treatment and storage in support of future decontamination and treatment capabilities.

Revision 10, Submitted March 30, 2004. Section III.C, has been revised to add process cells 3-L, 8-R, 9-L, 10-L, 13-L, 14-R, 15-L, and 16-R to Process Code S06 "containment building." Added two clarifying sentences in Process Code S02. (tank storage): "The maximum process design capacity for the volume of liquid that was stored in 221-T tank system is 213,247 liters (56,395 gallons)" and, "The total maximum process design capacity of the T Plant Complex tank system for 221-T and 2706-T is 292,990 liters (77,400 gallons)." The additional process cells were added to give room for storage of Plutonium Finishing Plant mixed waste for treatment. Process Code S06 process design capacity for 221-T building will not be increased as a result of adding these process cells. These changes have been discussed and concurred with by Ecology (Greta Davis) during T Plant Complex meetings.

Revision 11, Submitted November 26, 2007, converted the Part A to Ecology's new format to support incorporation of the TSD unit unto the reissued Hanford Facility Dangerous Waste Permit.

Revision 12, Submitted October 9, 2008, changed contractor from Fluor Hanford to CH2M Hill Plateau Remediation Company (CHPRC).